

Hwa, James S.

From: Michael R. Cannatti [mcannatti@hamiltontertile.com]
Sent: Thursday, February 25, 2010 11:03 AM
To: Hwa, James S.
Subject: RE: RE: Proposed Claim Amendments for Allowance for Trilogy Patent Application T00107 ("Session-Based Processing Method And System") (U.S. Application No. 10/796,317)

Applicants: Shawn A. P. Smith, Daniel P. Karipides
Assignee: Versata Development Group, Inc.
Title: Session-Based Processing Method And System
Serial No.: 10/796,317 Filed: March 9, 2004
Examiner: Shyue Jiunn Hwa Group Art Unit: 2163
Docket No.: T00107 Customer No.: 33438

Greetings Examiner Hwa.

We appreciate your indication that claim 8 contains allowable subject matter if amended to include the "sliding window" ring buffer requirements of claim 10 as set forth below. We also appreciate the opportunity to amend the remaining independent claims 1, 11, and 18 to recite allowable subject matter.

With apologies for the delay, I am submitting below proposed amendments to the remaining independent claims 1, 11, and 18 per our discussion yesterday. I believe that this amendment will advance prosecution in this matter, but please let me know if you have any questions. If there is any need to discuss this matter by phone, please call me at 512.472.3199 today.

Yours very truly,

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Proposed Claims

1. (Proposed Amendment) A method for grouping log file entries by session, comprising:
storing a log file of entries in a memory, each of said entries identifying a client request to a server;
retrieving a subset of log file entries from the memory for storage in a ring buffer;
processing each entry in the ring buffer [[memory]] to identify entries in the subset of log file entries that belong to a complete client session by allocating, for each identified client session, an index to identify entries in the ring buffer that are associated with the identified client session and to identify start or end entries;
grouping entries in the subset that belong to a complete client session; and
adding and removing log file entries to the ring buffer so that the ring buffer implements a sliding window to process the log file entries in the memory into complete client sessions.
8. (Proposed Amendment) An article of manufacture having at least one recordable medium having stored thereon executable instructions and data which, when executed by at least one processing device, cause the at least one processing device to:
read a plurality of records from a file system into a ring buffer, where said plurality of [[or]] records comprises a subset of all records in the file system;

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scan each record in the ring buffer to identify a user session for said record and to identify any start or end records in the ring buffer;
allocate, for each identified user session, an index to identify all records in the ring buffer that are associated with the identified user session and to identify all start or end records; [[and]]
process the index to group all records in the ring buffer belonging to a complete user session, to output the grouped records for further analysis; and
sequentially adding and removing log records to the ring buffer until all of the log records in the file system have been processed so that the ring buffer implements a sliding window to process all of the log records in the file system into complete user sessions.

10. (Cancelled)

11. (Proposed Amendment) A system for session-based processing of log files using a data processing system and network session data collected from one or more users, the system comprising:

a log file collection system for collecting a plurality of server request entries, wherein a server request entry comprises a session identifier; and

a processing engine to process a subset of the plurality of server request entries to group the server request entries by session using the session identifier in each server request entry by:

reading the subset of the plurality of server request entries from the log file collection into a ring buffer;

scanning each server request entry in the ring buffer to identify a user session for said server request entry and to identify any start or end entries in the ring buffer;

allocating, for each identified user session, an index to identify server request entries in the ring buffer that are associated with the identified user session and to identify start or end entries;

processing the index to group server request entries in the ring buffer belonging to a complete user session; and

adding and removing server request entries to the ring buffer so that the ring buffer implements a sliding window to process the server request entries in the log file collection system into complete user sessions.

18. (Proposed Amendment) A system for parsing web site logs one session at a time, comprising:

means for storing network session data from at least one server log file;

means for reading a subset of the network session data into a ring buffer;

means for processing the subset of the network session data in the ring buffer to group said network session data by session by allocating for each identified user session, an index to identify network session data in the ring buffer that is associated with the identified user session and to identify start or end network session data; and

means for generating a first output file containing network session data grouped by session by processing the index to group network session data in the ring buffer belonging to a complete user session;

means for adding and removing network session data to the ring buffer so that the ring buffer implements a sliding window to process the network session data into complete user sessions; and

means for parsing said first output file.